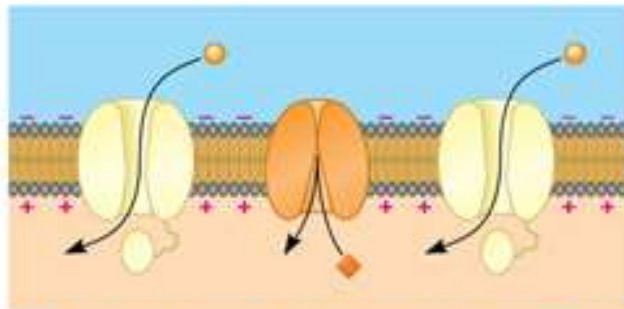


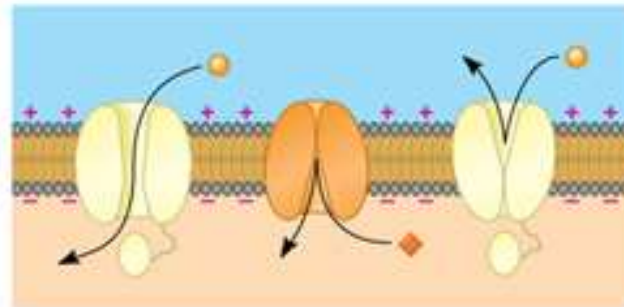
Table 48.1 Ion Concentrations Inside and Outside of Mammalian Neurons

Ion	Intracellular Concentration (mM)	Extracellular Concentration (mM)
Potassium (K^+)	140	5
Sodium (Na^+)	15	150
Chloride (Cl^-)	10	120
Large anions (A^-) inside cell, such as proteins	100	(not applicable)

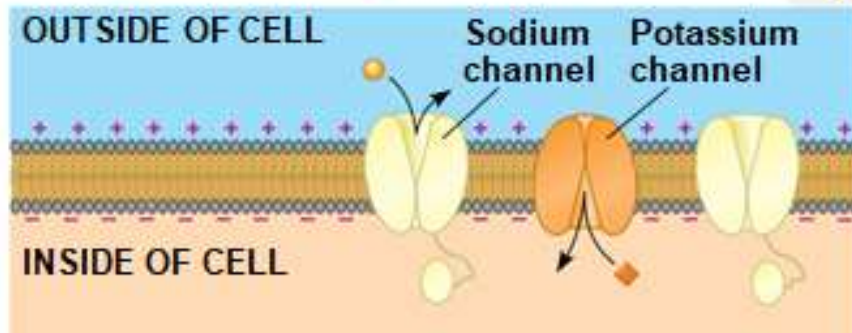
Figure 40.11b



3 Rising phase of the action potential

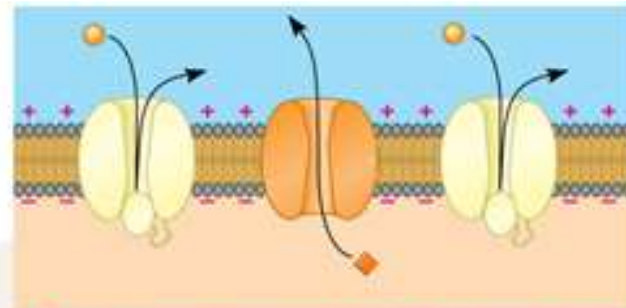


2 Depolarization

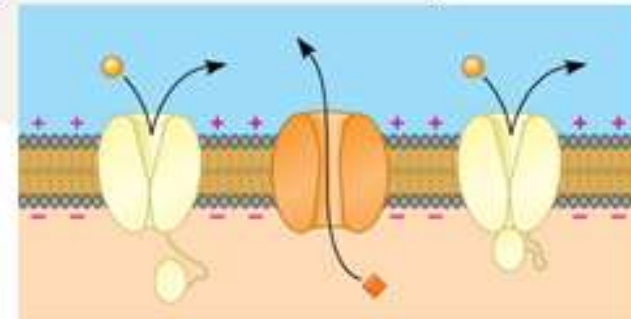
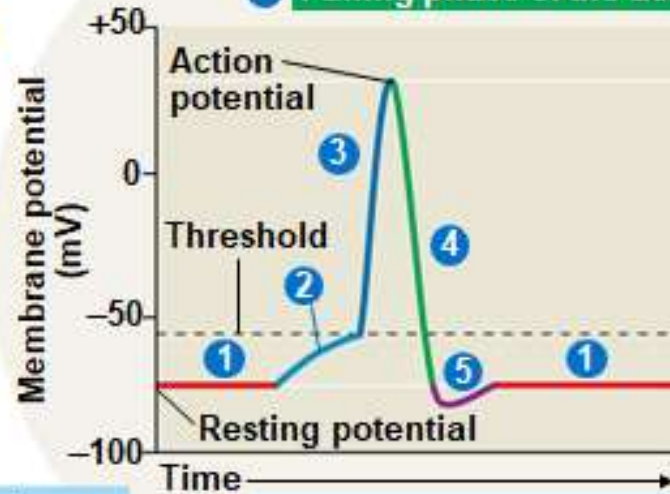


1 Resting state

Key
 ○ Na^+
 ◆ K^+



4 Falling phase of the action potential



5 Undershoot

